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Larsen

January 1925

Test 117: McCormick-Deering "Farmall"

Tractor Museum

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REMARKS: The kerosene used in this test weighed 6.74 pounds per gallon

Copy of Report of Official Tractor Test No. 117.

DRAWBAR HORSE POWER TESTS

	Draw	Speed	Crank	Slip	Fuel Consumption	Water	Temp. deg. F.						
H. P.	Bar	Miles	Shaft	on	Kind	Amt.	H.P.	Used	Cooling	Air	Average	Height of	
Dev.	Pull	Per	Speed	Drive	Used	Per	Hrs.	Per	Fluid		Humidity	Barometer	
	Pounds	Hour	R.P.M.	Wheels		Hour	Per	Hour	*		%	Inches	
				% **			Gal.						

RATED LOAD TEST. TEN HOURS

9.35	1113.5	3.15	1207	-5.71	Kero	1.788	5.23	1.165	210	91.5	43.5	28.55	
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MAXIMUM LOAD TEST

13.27	1625.	3.06	1193	-3.71	Kero	- - NOT RECORDED - -			210	97	44	28.65	
12.70	2727.5	1.745	1202	10.37	Kero	" " "			210	94	44	28.64	
10.41	867.5	4.505	1205	-10.56	Kero	" " "			200	97	44	28.64	

* Taken in discharge line from engine.

** The first figure denotes slippage at the rim of the wheel. The second figure denotes slippage at the points of the lugs.

REMARKS: The rated and first maximum load tests were run in 2nd gear. The second maximum load test was run in low gear. The third maximum load test was run in high gear.

OIL CONSUMPTION: During the complete test consisting of about 39 hours running the following oil was used:

For the engine, 4-3/4 gallons of Mobiloil "BB", 1-3/4 gallons to fill crank case and 3 gallons were added.

For the transmission, none.

Other lubrication, 1/2 lb. of A.D. cup grease.

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REPAIRS AND ADJUSTMENTS

There were no repairs nor adjustments necessary during this test. At the end of the test the tractor was in good running order and there were no indications of undue wear nor of any weakness which might require early repair.

BRIEF SPECIFICATIONS

"Farmall"

Motor: Own, 4 cylinder, vertical, valve-in-head. Removable cylinder sleeves. Mounted with crankshaft lengthwise. Bore, 3-3/4"; stroke 5".
Rated speed 1200 r.p.m.

Air Cleaner: Pomona Model 118 (oil and fiber type)
Governor: Own (centrifugal or fly-ball type)

Chassis: Four wheels, 2 drivers; enclosed gears; multiple dry disc clutch. Advertised speeds: low gear, 2 miles per hour; second gear, 3 miles per hour; high gear 4 miles per hour.

Total weight as tested (with operator) 4,100 pounds.

REMARKS

In the advertising literature submitted with the specifications and application for the test of this tractor, we find some claims and statements which cannot be directly compared with the results of this test as reported above. It is our opinion that none of these are excessive or unreasonable.

We, the undersigned, certify that above is a true and correct report of official tractor test No. 117

E. E. Brackett
Engineer-in-Charge

Low Wallace

Oscar W. Sjogren

C. W. Smith

Board of Tractor Test Engineers